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APPLICATION N	10.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/825,372		04/16/2004	Howard E. Rhodes	M4065.0105/P105-C	8394	
24998	759	03/16/2005		EXAMINER		
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP				NGUYEN, TUAN H		
2101 L St Washingt				ART UNIT	PAPER NUMBER	
Ũ	,			2813		
				DATE MAILED: 03/16/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/825,372	RHODES, HOWARD E.	
Office Action Summary	Examiner	Art Unit	
	Tuan H. Nguyen	2813	
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet wit	h the correspondence address	
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory properties to reply within the set or extended period for reply will, by any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a re on. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MON' statute, cause the application to become AB.	oply be timely filed r (30) days will be considered timely. THS from the mailing date of this communication ANDONED (35 U.S.C. § 133).	n.
Status			
1) Responsive to communication(s) filed on	<u>28 December 2004</u> .		
<i>,</i> —	This action is non-final.		
3) Since this application is in condition for all			5
closed in accordance with the practice un	der <i>Ex paπe Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.	
Disposition of Claims			
4)	3 <u>8</u> is/are withdrawn from consid		
Application Papers			
9) The specification is objected to by the Exa	miner.		
10) The drawing(s) filed on is/are: a)] accepted or b) ☐ objected to l	by the Examiner.	
Applicant may not request that any objection t			
Replacement drawing sheet(s) including the c			d).
11)☐ The oath or declaration is objected to by the	ne Examiner. Note the attached	Office Action of form P10-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fo a) All b) Some * c) None of: 1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International B * See the attached detailed Office action for	ments have been received. ments have been received in A priority documents have been ureau (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892)		ummary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-94 Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date 4/16/04. 	·)/Mail Date Iformal Patent Application (PTO-152) 	

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Species VII, claims 200-209 in the reply filed on 11/18/04 is acknowledged.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 200-209 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-21 of U.S. Patent No. 6,500,692. Although the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-21 of U.S. Patent No. 6,500,692 recites the claimed method for forming a photosensor comprising forming a trench and performing a first and second ion implantation into the vertical internal surface region of the trench.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 200-204, 209 are rejected under 35 U.S.C. 102(b) as being anticipated by Wong.

See Wong, figs. 1-8 and related text on col. 4-7 which discloses the claimed process for forming a photo sensor including the steps of forming a trench having a substantially vertical internal surface region within a semiconductor substrate; applying a passivation layer of oxide above the substantially vertical internal surface region (fig. 5); and performing a plurality of ion implantation including a first and second ion implantation into the opposite sidewall of the substantially vertical internal surface region at a first and second ion implantation angle (fig. 7, col. 7, step 10).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan H. Nguyen whose telephone number is 571-272-1694. The examiner can normally be reached on 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr. can be reached on 571-272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan H. Nguyen
Primary Examiner
Art Unit 2813